



# Crop Weather Report

**Issue: 07-12**  
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**Released: May 29, 2007**  
For the Week Ending:  
May 27, 2007

## Weather Summary

Above normal precipitation was received across most of the state for the week ending May 27<sup>th</sup>. Grass Range had the most moisture at 3.64 inches. Albion had the high temperature for the 3<sup>rd</sup> week in a row at 86 degrees. Sula had the low of 19 degrees. Ninety percent of topsoil moisture is rated adequate and surplus compared to 81 percent last week and 76 percent last year. Subsoil moisture adequate and surplus is 76 percent, up from last week's 67 percent and last year's 61 percent. The number of days available for farmers to work in the field was limited to 2.6 days.

The weather outlook for June 5<sup>th</sup> through June 11<sup>th</sup> is for above normal temperatures and near normal precipitation east of the continental divide and for above normal temperatures and below normal precipitation west of the divide. Normal temperatures for this period in Montana are highs in the mid 60s to the upper 70s and lows in the mid 30s to the lower 50s.

According to the NRCS as of May 22, most streams and rivers west of the continental divide have reached their snowmelt peak flows and those east of the divide have reached or are near reaching their snowmelt peak flows. Assuming near average rain from May through July, spring and summer streamflows west of the divide are forecast to be below average and those east of the divide are forecast to be well below average.

Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	1	2	5	8
Short	9	17	19	25
Adequate	73	66	69	62
Surplus	17	15	7	5
<b>Subsoil Moisture</b>				
Very Short	3	8	8	24
Short	21	25	31	33
Adequate	68	58	58	41
Surplus	8	9	3	2
<b>Days Suitable for Fieldwork</b>				
Days	2.6	5.5	5.3	4.8

## Livestock Report

Grazing conditions continue to improve. Sixty-nine percent of range and pasture feed conditions are rated good to excellent compared to 66 percent last week and 60 percent last year. Lambing is nearly complete.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Moved to Summer Ranges</b>				
Cattle & Calves	73	62	82	n/a
Sheep & Lambs	70	58	72	n/a
<b>Livestock Birthing</b>				
Lambing Complete	95	93	96	95
<b>Range and Pasture Feed Condition</b>				
Very Poor	1	1	1	11
Poor	5	6	5	16
Fair	25	27	34	33
Good	44	48	42	31
Excellent	25	18	18	9

## Field Crops Report

Barley, oats, and spring wheat have entered the boot stage. Winter wheat and barley conditions are similar to last week. Seventy-one percent of spring wheat is rated good to excellent compared to 74 percent last week and 75 percent last year. Heavy rains and storms in some Northeastern counties caused difficulty with the emergence of oilseeds.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Planted</b>				
Barley	98	94	97	95
Spring Wheat	96	91	95	93
Durum Wheat	87	86	91	77
Oats	93	87	93	89
Lentils	96	93	88	n/a
Corn	92	84	80	85
<b>Emerged</b>				
Barley	85	67	77	75
Spring Wheat	82	59	67	69
Durum Wheat	54	41	59	42
Oats	76	60	73	65
Dry Peas	77	65	66	n/a
Lentils	51	49	66	n/a
Corn	79	53	52	52
Sugar beets	97	84	89	87
<b>Boot Stage</b>				
Winter Wheat	35	27	30	26
Barley	2	n/a	n/a	n/a
Oats	3	n/a	n/a	n/a
Spring Wheat	1	n/a	n/a	n/a

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Winter Wheat</b>				
Very Poor	2	0	7	10
Poor	2	3	16	15
Fair	22	21	40	33
Good	44	43	28	33
Excellent	30	33	9	9
<b>Barley</b>				
Very Poor	0	0	n/a	n/a
Poor	2	2	n/a	n/a
Fair	14	16	n/a	n/a
Good	68	67	n/a	n/a
Excellent	16	15	n/a	n/a
<b>Oats</b>				
Very Poor	0	0	n/a	n/a
Poor	1	2	n/a	n/a
Fair	18	20	n/a	n/a
Good	67	70	n/a	n/a
Excellent	14	8	n/a	n/a
<b>Spring Wheat</b>				
Very Poor	0	1	0	n/a
Poor	2	3	1	n/a
Fair	27	22	24	n/a
Good	56	62	72	n/a
Excellent	15	12	3	n/a

## Weather Information for the Week ending 05/27/2007

Station ID						Precipitation								
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date			
	Hi	LOW	AVG	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM	
NORTHWEST														
Alberton	76	35	50	12	-18	0.74	+0.31	1.87	-0.59	76	12.48	+4.31	153	
Anaconda	71	29	45	7	-5	2.13	+1.57	5.23	+1.86	155	11.35	+3.69	148	
Clinton	73	30	48	17	-13	1.57	+1.14	3.95	+1.49	161	12.67	+4.50	155	
Corvallis	73	33	49	12	-19	1.02	+0.60	2.95	+0.55	123	5.79	-2.34	71	
Creston	67	34	49	4	-23	1.04	+0.43	3.91	+0.40	111	8.56	-3.20	73	
Deer Lodge	71	30	45	8	-3	1.61	+1.15	3.87	+1.58	169	7.13	+1.97	138	
Drummond	76	27	48	14	-11	1.54	+1.09	4.01	+1.39	153	7.75	+0.27	104	
Hamilton	73	33	51	22	-9	1.09	+0.67	3.13	+0.73	130	7.11	-1.02	87	
Kalispell	68	32	49	5	-20	1.35	+0.86	3.40	+0.71	126	9.30	-0.94	91	
Missoula	73	35	51	15	-15	0.82	+0.39	2.43	-0.03	99	7.93	-0.24	97	
Olney	69	28	47	2	-18	1.01	+0.45	2.03	-1.17	63	13.73	-1.82	88	
Polson	68	35	50	9	-27	1.56	+1.00	5.31	+2.12	166	10.16	+0.36	104	
St Ignatius	70	35	51	14	-24	1.10	+0.47	4.09	+0.62	118	9.44	-0.27	97	
Seeley Lake	72	28	48	13	-3	0.90	+0.41	2.62	-0.35	88	13.16	-2.10	86	
Sula	71	19	46	6	-8	1.63	+1.07	5.20	+1.81	153	10.58	+0.90	109	
Superior	76	33	52	25	-16	1.06	+0.64	2.50	-0.11	96	12.31	+1.13	110	
Swan Lake	71	31	49	4	-19	1.00	+0.37	4.25	+0.53	114	20.00	+0.22	101	
Thompson Falls	72	35	50	10	-37	0.95	+0.46	3.50	+0.24	107	21.03	+3.96	123	
West Glacier	69	31	49	3	-21	0.56	-0.11	3.56	-0.37	91	20.41	+0.64	103	
NORTH CENTRAL														
Chester	69	37	50	13	-28	0.42	-0.04	2.99	+0.72	132	6.73	+2.05	144	
Chinook	69	37	51	15	-40	0.36	-0.16	4.51	+1.54	152	8.30	+2.59	145	
Choteau	67	30	46	3	-35	0.65	+0.16	3.04	+0.57	123	4.75	+0.31	107	
Cut Bank	70	31	47	6	-19	0.08	-0.48	0.64	-2.03	24	1.12	-3.88	22	
Ft Assinniboine	70	33	52	22	-32	0.35	-0.14	3.08	+0.35	113	6.59	+0.84	115	
Fort Benton	75	34	51	21	-31	1.10	+0.47	3.77	+0.41	112	8.10	+0.62	108	
Goldbutte	72	35	49	8	-24	0.79	+0.21	3.84	+1.01	136	7.96	+2.38	143	
Harlem	78	34	53	27	-25	0.64	+0.18	4.95	+2.50	202	7.96	+2.90	157	
Havre	69	33	52	23	-27	0.36	-0.06	3.82	+1.46	162	7.21	+1.86	135	
Malta	76	34	53	27	-16	1.77	+1.21	4.58	+1.79	164	7.36	+1.94	136	
Rudyard	74	34	49	10	-45	0.69	-0.01	3.98	+0.58	117	7.29	+0.51	108	
Shelby	71	32	47	6	-27	0.11	-0.45	2.68	-0.05	98	6.08	+0.98	119	
Turner	75	30	51	20	-23	0.63	+0.07	3.67	+0.88	132	5.50	+0.08	101	
Valier	71	34	49	9	-24	0.38	-0.18	2.60	-0.13	95	4.54	-0.56	89	
NORTHEAST														
Bredette	71	34	50	16	-37	1.76	+1.24	4.54	+2.07	184	7.57	+2.81	159	
Culbertson	74	30	52	22	-33	1.40	+0.83	3.82	+0.73	124	7.13	+1.31	123	
Glasgow	72	33	51	24	-32	2.97	+2.52	5.35	+3.17	245	7.46	+2.96	166	
Glendive	78	36	55	36	-36	0.77	+0.23	4.28	+1.34	146	7.59	+1.67	128	
Jordan	70	33	50	24	-37	3.34	+2.78	7.38	+4.26	237	9.69	+3.58	159	
Nashua	78	33	53	29	-27	1.86	+1.41	5.75	+3.57	264	8.27	+3.77	184	
Opheim	72	28	48	16	-25	1.57	+1.01	3.54	+1.28	157	5.53	+1.24	129	
Plentywood	73	32	50	15	-35	1.81	+1.26	4.32	+1.64	161	6.66	+1.63	132	
St Marie	72	33	51	23	-33	2.10	+1.65	5.54	+3.36	254	7.06	+2.56	157	
Scobey	73	29	51	21	-32	1.82	+1.30	4.93	+2.46	200	7.25	+2.49	152	
Sidney	73	33	52	22	-44	2.19	+1.66	5.31	+2.37	181	7.94	+1.86	131	
Wolf Point	70	32	50	21	-39	1.34	+0.74	3.82	+0.33	109	5.47	-1.45	79	
CENTRAL														
Cascade	73	28	45	4	-15	2.77	+2.07	5.20	+1.57	143	9.25	+1.87	125	
Grass Range	75	32	50	12	-29	3.64	+2.80	7.21	+2.83	165	13.14	+4.58	154	
Great Falls	69	32	48	12	-26	1.08	+0.45	4.24	+0.67	119	8.83	+0.39	105	
Harlowton	68	34	48	8	-24	1.39	+0.76	4.74	+1.71	156	9.43	+3.01	147	
Helena	72	37	51	17	-19	2.06	+1.64	3.50	+1.03	142	6.61	+0.70	112	
Lewistown	63	31	46	6	-18	2.36	+1.52	5.24	+1.20	130	10.51	+1.10	112	
Martinsdale	76	27	49	11	-12	1.17	+0.54	2.88	-0.14	95	6.55	+0.20	103	
Neihart	73	29	44	6	-7	3.27	+2.36	6.73	+1.95	141	16.13	+4.86	143	
Rogers Pass	71	32	48	12	-20	2.57	+1.99	5.87	+2.81	192	10.52	+4.17	166	
Roundup	83	31	53	28	-28	3.36	+2.77	6.20	+3.13	202	10.65	+4.55	175	
Ryegate	65	33	48	6	-16	1.49	+0.93	4.75	+1.97	171	9.07	+3.15	153	
Stanford	73	33	48	9	-18	2.13	+1.36	5.09	+1.10	128	9.79	+1.57	119	
Townsend	77	33	48	11	-27	1.68	+1.23	3.45	+1.22	155	6.42	+1.33	126	
Valentine	70	32	50	16	-27	2.94	+2.20	5.60	+1.82	148	10.04	+2.90	141	
Wht Sulphur Spr	74	31	47	14	+4	1.34	+0.71	2.66	-0.49	84	5.55	-3.20	63	
SOUTHWEST														
Boulder	73	30	45	8	-15	1.71	+1.23	3.16	+0.77	132	6.36	+0.86	116	
Bozeman	76	30	49	15	-15	2.42	+1.65	6.62	+2.01	144	17.10	+6.00	154	
Butte	67	30	43	4	-9	1.52	+1.03	3.60	+1.10	144	7.55	+1.71	129	
Dillon	70	32	46	9	-15	0.78	+0.34	2.82	+0.40	117	6.27	+1.55	133	
Ennis	72	28	47	12	-13	0.68	+0.15	2.95	+0.02	101	8.40	+1.94	130	
Lakeview	76	30	48	14	+7	0.46	-0.14	1.71	-1.82	48	8.57	-3.06	74	
W Yellowstone	68	22	42	5	-1	0.20	-0.29	2.43	-0.82	75	9.37	-5.07	65	
Wisdom	74	26	45	13	+7	1.23	+0.83	3.56	+1.37	163	9.40	+3.42	157	
SOUTH CENTRAL														
Billings	69	36	51	23	-28	2.54	+1.93	5.62	+1.63	141	11.46	+2.00	121	
Cooke City	76	29	48	12	+12	1.02	+0.39	3.16	-0.91	78	9.05	-6.84	57	
Gardiner	83	33	52	29	-8	0.56	+0.14	1.08	-0.94	53	4.90	-0.57	90	
Hardin	82	36	55	40	-11	2.37	+1.74	5.11	+1.05	126	10.49	+0.93	110	
Huntley	73	30	51	23	-25	2.91	+2.34	5.95	+2.32	164	10.74	+2.93	138	
Hysham	80	34	54	31	-32	2.10	+1.47	5.13	+1.57	144	10.32	+3.12	143	
Joliet	69	31	49	15	-29	1.37	+0.61	4.20	-0.59	88	10.07	+0.02	100	
Livingston	71	27	48	15	-17	1.83	+1.13	4.98	+1.04	126	11.05	+2.68	132	
Nye	75	27	50	15	-17	1.38	+0.68	4.75	+0.81	121	9.97	+1.60	119	
Rapelje	77	31	50	14	-23	1.94	+1.24	5.17	+1.39	137	9.55	+0.91	111	
SOUTHEAST														
Albion	86	32	55	43	-5	0.87	+0.25	3.49	-0.02	99	7.86	+1.11	116	
Baker	70	34	51	22	-33	0.62	+0.06	4.64	+1.37	142	8.25	+1.48	122	
Broadus	76	33	53	30	-24	1.15	+0.59	6.29	+2.75	178	10.64	+3.15	142	
Ekalaka	70	32	51	21	-31	0.89	+0.18	5.39	+1.43	136	10.89	+2.91	136	
Miles City	74	32	52	30	-37	0.57	+0.00	4.70	+1.43	144	7.50	+0.53	108	
Plevna	71	32	52	23	-32	0.60	+0.04	4.45	+1.18	136	8.80	+2.03	130	
Compiled by AWIS Inc. based on NWS data. DFN-Departure from normal 1961-1990. GDD-Growing degree days														